

What is claimed is:

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1. A method to map a storage environment data object, comprising;
receiving a reference to the data object in a first storage environment,
5 wherein the data object resides in a second storage environment;
generating a first data structure from the reference representing one or more
physical locations of the data object within the second storage environment; and
retaining the first data structure to interface with one or more of the physical
locations of the data object from the first storage environment.

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2. The method of claim 1, wherein in retaining the first data structure one or
more additional references access the data object using the first data structure.

3. The method of claim 1, wherein receiving the reference an operating system
15 of the first storage environment does not support the second storage environment.

4. The method of claim 1, wherein during generation one or more extents of the
data object within the second storage environment are provided.

20 5. The method of claim 4, wherein the generation further includes detecting a
mirroring of the data object on at least two storage devices within the second storage
environment.

6. The method of claim 1, wherein during generation metadata associated with
25 the second storage environment and the data object are provided.

7. The method of claim 1, wherein in retaining the first data structure the first
data structure is validated with one or more subsequent references made to access
the data object.

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a first node representing the data object;
a file system node representing a file system on the second computer readable medium;
a volume node representing a volume manager associated with the file system;
one or more partition nodes managed by the volume manager; and
one or more disk identifications representing one or more storage devices housing the data object.

10 16. The map of claim 15, wherein the map is represented as a tree data structure on the computer readable media.

17. The map of claim 15, wherein each node includes metadata.

15 18. The map of claim 15, wherein the map is used by an accessing set of
executable instructions having access to a second file system which is incompatible
with the first file system.

19. The map of claim 18, wherein the data object is referenced and modified by the accessing set of executable instructions from the second file system.

20. The map of claim 19, wherein the map is updated if one or more values associated with one or more of the nodes or identifications are modified.

21. A storage environment system, comprising:
a first file system;
a second file system;
one or more data objects residing in the second file system and capable of
being referenced within the first file system; and

a map generated to represent one or more physical locations for each of the one or more data objects and used by the first file system when one or more of the data objects are referenced.

5 22. The system of claim 21, wherein the map is modified when one or more of the physical locations for each of the one or more data objects changes.

23. The system of claim 21, wherein the file systems reside in different computing environments.

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24. The system of claim 23, wherein the file systems operate within different operating systems.

15 25. The system of claim 24, wherein the map is used to replicate the second file system within the first file system in a first file system format.

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